

FORM PTO-1390 (Modified)  
(REV. 07-2004)

U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

GRP-0090

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/516442**INTERNATIONAL APPLICATION NO.  
**PCT/DK03/00356**INTERNATIONAL FILING DATE  
**27 May 2003**PRIORITY DATE CLAIMED  
**30 May 2002**

TITLE OF INVENTION

**CATALYTIC DEVICE WITH INTERNAL HEAT EXCHANGE**

APPLICANT(S) FOR DO/EO/US

**NIELS BJARNE KAMPP RASMUSSEN**


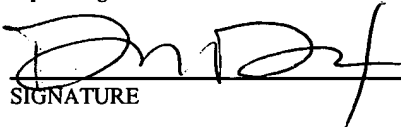
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 23 below concern document(s) or information included:**

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV544539035US**
23. ☒ Other items or information:

**Priority Sheet**

U.S. APPLICATION NO (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. <b>PCT/DK03/00356</b>		ATTORNEY'S DOCKET NUMBER <b>GRP-0090</b>		
10/516442						
24. The following fees are submitted:				CALCULATIONS PTO USE ONLY		
<b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) :</b> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1110.00 <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$950.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$790.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$750.00 <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00						
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>\$950.00</b>		
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<b>\$0.00</b>		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total claims	51 - 20 =	31	x \$18.00	<b>\$558.00</b>		
Independent claims	2 - 3 =	0	x \$88.00	<b>\$0.00</b>		
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>				<b>\$0.00</b>		
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,508.00</b>		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$0.00</b>		
<b>SUBTOTAL =</b>				<b>\$1,508.00</b>		
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<b>\$0.00</b>		
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,508.00</b>		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>				<b>\$0.00</b>		
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,508.00</b>		
				Amount to be refunded	\$	
				charged	\$	
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>06-1130</u> in the amount of <u>\$1,508.00</u> to cover the above fees. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1130</u> d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.						
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.						
SEND ALL CORRESPONDENCE TO:  <b>Daniel F. Drexler</b> Registration No. 47,535 CANTOR COLBURN LLP 55 Griffin Road South Bloomfield, CT 06002 Telephone: 860-286-2929 Customer No.: 23413						
			 <b>23413</b> PATENT TRADEMARK OFFICE	 SIGNATURE  <b>Daniel F. Drexler</b> NAME  <b>47,535</b> REGISTRATION NUMBER  <b>November 30, 2004</b> DATE		

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **NIELS BJARNE KAMPP RASMUSSEN**

Docket No.

**10/516442**  
GR-8898

Application No.

Filing Date

Examiner

Customer No.

23413

Group Art Unit

Invention: **CATALYTIC DEVICE WITH INTERNAL HEAT EXCHANGE**

I hereby certify that the following correspondence:

**Patent Application under 35 CFR 371; Preliminary Amendment; IDS; PTO 1449; Priority Sheet***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

November 30, 2004*(Date)***Daniel F. Drexler***(Typed or Printed Name of Person Mailing Correspondence)*  
*(Signature of Person Mailing Correspondence)***EV544539035US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**

10/516442  
DTG Rec'd PCT/PTO 30 NOV 2004

Express Mail Label #EV544539035US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: NIELS BJARNE KAMPP RASMUSSEN

FOR: CATALYTIC DEVICE WITH INTERNAL HEAT EXCHANGE

CLAIM FOR PRIORITY

The Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

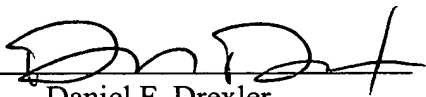
Dear Sir:

Applicant hereby claims the benefit of the filing date of May 30, 2002 of Danish Patent Application No. PA 2002 00828 under the provisions of 35 U.S.C. 119 and the International Convention for the Protection of Industrial Property.

If any fees are due with regard to this claim for priority, please charge them to Deposit Account No. 06-1130 maintained by Applicant's attorneys.

Respectfully submitted,

CANTOR COLBURN LLP

By:   
Daniel F. Drexler  
Registration No. 47,535  
CANTOR COLBURN LLP  
55 Griffin Road South  
Bloomfield, Connecticut 06002  
Telephone: 860-286-2929  
Facsimile: 860-286-0115  
Customer No. 23413

Date:

Nov. 30-2004